

Part One :FORMING A PREDICTION:

Using the information you have so far as well as prior knowledge, form a prediction which outlines **three variables** which you can manipulate/change in order for your car to achieve the greatest speed possible.

Example(s):

I predict that by moving the **position of the wheel** and axle from the center to the back of the car, we can **eliminate some friction** and cause the car **to move faster**.

OR

I predict that **increasing the amount of air** in the balloon will create **added weight** that will **slow the car** down.

My Prediction: (remember **three variables** must be discussed!)